

District Name: Woodford County District Code: 601 Facility Name: Southside ES School Code: 50

Project Name: Southside ES Cafeteria/Kitchen Addition

PROJECT TYPE:	Yes	No	Gross Building Area (sf.)
New Building	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u> </u>
Addition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>3,100</u>
Renovation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>3,940</u>
Provisions for Future Expansion:	<u>N/A</u>		

Proposed Alternates: (1) Replace underground sanitary piping behind cooking line
(2) Change location existing two and three compartment sinks
(3) Replace existing ceiling panels and grid in Kitchen
(4) Provide new Ice Machine, Shelving, and Tables

Describe special conditions, phasing of project and alternates, attach a supplemental sheet, if needed.

BUILDING CONSTRUCTION CHARACTERISTICS:

Description of Building Structure:

Foundation: Cast in place concrete spread footings

Exterior Walls: Load bearing masonry cavity walls

Roof Structure: Steel bar joists and metal roof deck

ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):

36 Energy Consumption "Existing" (kBtu/sf/yr)

Energy Consumption Target (kBtu/sf/yr)

YES NO

<input type="checkbox"/>	<input checked="" type="checkbox"/>	LEED Certified	Other: <u> </u>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Designed to meet Energy Star	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exceeds ASHRAE 90.1(2007) by 10% (Minimum)	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Whole Building Life Cycle Cost Analysis Demonstrating Cost Effective Design	
Life Cycle Cost Analysis Software Used: <u> </u>			

If not yes to one or more of the above, explain why.

<input type="checkbox"/>	<input checked="" type="checkbox"/>	Designed to be Net-Zero
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Designed to be Net-Zero Ready

Energy Efficient Design Features: (See List Page 4, or Use Drop Down List)

East / West Building Orientation ☐ YES ☒ NO

Gross Exterior Wall Area (sf): 2,720 Avg. Exterior Wall R-Value: 15.23

Gross Window / Door Area (sf): 341 Avg. Window/Door R-Value: U-factor = .24, SHGC = .38

Gross Roof Area (sf): 3,100 Avg. Roof R-Value: 31

Exterior Wall Type: A - face brick, captured air space, board insulation and waterproof CMU Other:

Roofing Type: A - modified bitumen over rigid insulation Other:

HVAC System Type: E - variable refrigerant flow (VRF) with air make up Other:

Classroom Lighting: E - other Other:

Active Daylighting: F - none Other:

Passive Daylighting: G - none Other:

On Site Energy Generation: G - none Other:

Air Purification Systems : YES ☐ NO ☒

Gray Water System : YES ☐ NO ☒

Low Water Use Fixtures : YES ☐ NO ☒

Other: _____

PLUMBING:

Type of Sewage Disposal: CITY _____

HEATING, VENTILATION AND AIR CONDITIONING:

Heating Only: _____ Heating & Mechanical: _____ HVAC: XXX A/C Only: _____
Ventilation Only

Fuel Source/Backup (if applicable): N/A _____

ELECTRICAL:

Source of Electric Power: _____	UTILITY	Lighting Intensity (fc.):	
Voltage Serving Facility: _____	480/277	Std. Classrooms	N/A
Number of Convenience Outlets:		Library/Media Ctr	N/A
Classrooms	N/A	Science Lab	N/A
Library/Media Center	N/A	Science Clrm	N/A
Business Ed	N/A	Band/Music	N/A
Family & Consumer Science	N/A	Business Ed	N/A
Camera System:	N/A	Shops	N/A
		Corridors	N/A
		Stairways	N/A
		Cafeteria	50
		Pre-School Clrm	N/A
		Art Classroom	N/A
		Gymnasium	N/A

SPECIAL EQUIPMENT:

System	Conduit Only	Conduit & Wiring	Complete with Equipment
Bell	_____	_____	X
Clock	_____	_____	N/A
Fire Alarm	_____	_____	X
Intercom	_____	_____	X
Telephone	_____	_____	N/A
Television	_____	X	_____
Computer	_____	_____	N/A
Wireless Network	_____	X	_____
Interactive White bd	_____	_____	N/A
Voice Amplification	_____	_____	N/A

FIXED EQUIPMENT:

Teacher Cabinet	N/A	Custodial Room Shelves	N/A
Student Lockers	N/A	Science Laboratories	N/A
Folding Bleachers	N/A	Family & Consumer Sci	N/A
Library Furnishings	N/A	Other	_____
Dry Food Shelves	Work of Alternate	Other	_____

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office	N/A	N/A	N/A	N/A
Corridors	N/A	N/A	N/A	N/A
Custodial	N/A	N/A	N/A	N/A
Kitchen	Quarry Tile	N/A	Epoxy Paint	Suspended ACT
Cafeteria	VCT	N/A	Epoxy Paint	Suspended ACT
Gym	N/A	N/A	N/A	N/A
Showers/Locker	N/A	N/A	N/A	N/A
Toilets	N/A	N/A	N/A	N/A
Library/Media Cntr	N/A	N/A	N/A	N/A
Classrooms	N/A	N/A	N/A	N/A
Music	N/A	N/A	N/A	N/A
Art	N/A	N/A	N/A	N/A
Science	N/A	N/A	N/A	N/A
FMD	N/A	N/A	N/A	N/A

OTHER AREAS

Miscellaneous Project Specific Features: _____

Kentucky Registered Architect:

Margaret Jacobs
Signature

Date: July 16, 2018

Kentucky Registered Engineer:

KEVIN EUGEN, PE
Signature

Date: 6.22.18

Board Designee or Superintendent:

Signature

Date: _____

Energy Efficient Design Features Lists

Exterior Wall Type

- A - face brick, captured air space, board insulation and waterproof CMU
- B - face brick, captured air space, sprayed insulation on CMU
- C - face brick, captured air space, sheathing over metal insulated stud system, interior finish system
- D - face brick, ICF poured concrete, interior finish system
- E - other, describe

Roofing Type List

- A - modified bitumen over rigid insulation
- B - EPDM over rigid insulation
- C - plastic single ply over rigid insulation
- D - metal roofing over nailable deck with insulation
- E - asphalt shingle roofing over nailable deck with insulation
- F - other, describe

HVAC System Type List

- A - two pipe unit ventilator system
- B - water source heat pump system with air make up
- C - ground source heat pump system with air make up
- D - hybrid water source heat pump system with boiler/chiller and well field with air make up
- E - variable refrigerant flow (VRF) with air make up
- F - hybrid geothermal/variable refrigerant flow (VRF) with air make up
- G - variable refrigerant volume (VRV) with air make up
- H - hybrid geothermal/variable refrigerant volume (VRV) with air make up
- I - chilled beam system
- J - hybrid chilled beam/geothermal system
- L - other

Classroom Lighting List

- A - T8 fluorescent fixtures
- B - T5 fluorescent fixtures
- C - high energy gas fixtures
- D - low voltage systems
- E - other

Active Daylight System List

- A - classroom fluorescent dimming including dimming switches, ballasts and sensors
- B - occupancy light control sensors
- C - remote sensor bi-level lighting with no fixtures dimming
- D - manual bi-level lighting with no fixture dimming
- E - other
- F - none

Passive Daylight Systems List

- A - upper classroom clerestory lighting with sloped ceiling plane
- B - lower classroom clerestory lighting that does NOT require sloping the ceiling plane
- C - exterior light shelves
- D - solar tubes without dimming
- E - solar tubes with internal dimmers
- F - other
- G - none

On Site Energy Generation List

- A - solar water heating
- B - solar electric generation (small units for demonstration or for limited areas)
- C - solar electric generation (to support the entire building's energy needs)
- D - wind generation (small units for demonstration or for limited areas)
- E - wind generation (to support the entire building's energy needs)
- F - other
- G - none

For Reference

District Name: WOODFORD COUNTY District Code: 601 Facility Name: SOUTHSIDE ELEMENTARY School Code: 50

Project Name: _____

Project Phase: Design Development: ☐ Construction Documents: ☒

1. Site Development	\$	110,000
2. General Construction	\$	448,700
3. Heating, Ventilation & Air Conditioning	\$	105,000
4. Plumbing (Include Sprinkler System)	\$	63,600
5. Electrical Work	\$	72,700
6. Sewage Disposal System	\$	
7. Total Construction Cost (1-6)	\$	800,000.00
8. Site Acquisition Cost (Purchase Price)	\$	
9. Legal Services	\$	
10. Fiscal Agent Fee	\$	
11. Bond Discount	\$	
12. Architect/Engineer Fee	\$	60,444
13. Construction/Manager Fee (if Applicable)	\$	
14. Equipment/Furnishings (Not Fixed)/Computers	\$	
15. Property & Topographic Survey	\$	2,025
16. Geotechnical Survey & Report	\$	4,620
17. Special Inspections	\$	5,000
18. Asbestos Abatement	\$	
19. Commissioning Fee	\$	
20. Plan Review Fee	\$	460
21. Printing & Distribution of Bid Docs	\$	
22. Contingencies - Minimum 5% of Line 7	\$	40,000
23. Other Cost (Describe) Bid Alternates 1-6	\$	35,000
24. Total Other Cost (8-23)	\$	147,549.00
25. TOTAL PROJECT COST (line 7 + line 24)	\$	947,549.00
a. Gross Square Foot Area*		3,057.00
b. Total Cost Per Square Foot	\$	309.96
c. Total Cost Per Pupil	\$	1,579.25
d. Gross Sq. Ft. Area of Alternates * Base Bid Area Only		

Kentucky Registered Architect/Engineer: Margaret Jacobs Date: July 16, 2018

Construction Manager: _____ Date: _____

Board of Education Designee: _____ Date: _____